

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) ~~Antenna~~ An antenna arrangement for use with a reflector,
comprising:

at least two antenna element systems each having at least one antenna
element,

the at least two antenna element systems ~~are being~~ are arranged with an offset
with respect to one another in the horizontal and/or vertical direction, ~~preferably in front~~
of a ~~the~~ reflecter ,

the at least two antenna element systems transmitting and receiving in at
least one polarization plane,

wherein:

the at least two antenna element systems are arranged and/or fed such that
the main lobe of the first antenna element ~~device~~ system and the main lobe of the second
antenna element ~~device~~ system include an angle ~~between there between one another, and~~

the antenna arrangement further comprises a network via which the first
antenna element system and the second antenna element system can be supplied with
signals whose intensities ~~can be~~ are set differently relative to one another, ~~so that it is~~
~~possible in this way to set to provide~~ a different angular transmission direction for the

antenna arrangement by superimposition of the main lobes of the at least two antenna element systems,

wherein both antenna element systems comprise antenna elements which transmit and/or receive with the same polarization, and

wherein the antenna elements are alternately arranged interleaved with one another with a vertical offset and/or a horizontal offset.

2. (previously presented) Antenna arrangement according to Claim 1, wherein the two antenna element systems are arranged vertically one above the other.

3. (previously presented) Antenna arrangement according to Claim 1, wherein the at least two antenna element systems are arranged with a horizontal offset with respect to one another.

4. (currently amended) Antenna arrangement according to claim 1, ~~wherein~~ further comprising at least two columns, are provided, with at least two antenna element devices—systems being arranged one above the other in each column, ~~by which means the~~ alignment direction of ~~the said~~ main lobe, which is produced by superimposition, of the antenna arrangement ~~can being adjusted~~ adjustable in the elevation and azimuth directions.

5. (currently amended) Antenna arrangement according to ~~[[4]]~~ claim 1, wherein the network ~~has~~ comprises a hybrid circuit and a phase shifter arrangement, ~~such that the~~ phase shifter arrangement ~~allows~~ allowing a signal ~~preferably~~ with the same intensity but at a different phase angle to be supplied to the inputs of the hybrid circuit such that a

signal at the same phase angle but with the different intensity is produced ~~at the output of each of the hybrid circuits.~~

6. (currently amended) Antenna arrangement according to claim ~~5~~¹, wherein the phase shifter arrangement ~~is formed from~~ comprises a difference phase shifter.

7. (currently amended) Antenna arrangement according to claim ~~5~~¹, wherein the phase shifter arrangement ~~is formed from~~ comprises an arrangement with line paths of different length.

8. (currently amended) Antenna arrangement according to claim 1, wherein the antenna arrangement has at least two antenna element systems, with each antenna element system having at least two antenna elements, with the antenna elements in the first antenna element system ~~in each case~~ being arranged offset to one another with respect to the antenna elements in the second antenna element system, preferably alternately with respect to one another ~~along a fitting direction.~~

9. (currently amended) Antenna arrangement according to claim 1, wherein the at least two antenna element systems each have at least two, ~~and preferably more,~~ antennas or antenna elements which are arranged interleaved ~~in~~ with one another, preferably alternately, ~~in the fitting direction.~~

10. (currently amended) Antenna arrangement according to Claim 9, wherein the distance between the individual antennas ~~or~~ interleaved antenna elements which are arranged ~~such that they are interleaved~~ is ~~in the region of~~ substantially half the wavelength of the an operating frequency of the antenna arrangement.

11. (currently amended) Antenna arrangement according to claim 1, wherein the at least two antenna element systems have at least two ~~or more antennas and antenna~~ elements which are arranged interleaved with one another and ~~preferably~~ alternately as antenna elements ~~which are~~ arranged in a plane, in two ~~fitting~~ directions that are at an angle to one another, ~~preferably~~ in two ~~fitting~~ directions that are at right angles to one another, and ~~in that a~~ the network is provided, ~~via which~~ allows the main lobe ~~can to~~ be aligned in space by means of a combination of ~~preferably~~ vertical and horizontal control.